

Query Match 11.3%; Score 571.8; DB 10; Length 654;
Best Local Similarity 95.3%; Pred. No. 3.8e-63;
Matches 622; Conservative 0; Mismatches 27; Indels 4; Gaps 3;

QY 4048 ttccgcaacttacacgtgagcagaccagatggctgtcattcagttactcctgagtggtc 4107
Db 1 TTCCGCAACTTACACGTGGACGACAGATGCTGTATTCAGTACTCCTGGATGGGCTC 60

QY 4108 atggtgtttgcagtggtgcagtcctcaccatgcaactccagatgctctacttc 4167
Db 61 ATGGTGTGTTCATGGGTGGCGATCCTTCCACCAATGTCAACTCCAGATGCTCTACTTC 120

QY 4168 gccctgactgtgttttcaatgagtcacgcatgcacaagtcctccgagtgatcacgccagtgt 4227
Db 121 GCCCTGATCTGTGTTTCAATGAGTACCGCATGCAAGTCCCGGATGTACGCCAGTGT 180

QY 4228 gtccgaatgagccactctctcaagagtgttggtggtcctcaaatcaacccccagggaattc 4287
Db 181 CTCGCAATGAGCCACTCTCTCAAGAGTGTGGATGGCTCCCAATCACCCCCAGGAATTC 240

QY 4288 ctgtgcataaagcaactgtactcttcagcattattccagtgatgggtggaataatcaa 4347
Db 241 CTGTGCATGAAGCACTGCTACTCTTCCAGCATTTATTCAGTGGTGGCTGGAATAATCAA 300

QY 4348 aaattcttgatgaacttcgaatgaactacatcaagaaactcagtcagtcattcagtc 4407
Db 301 AAATCTTGTGATGAATTCGAATGAATCACTACNAGGAATCGATGATCAATGGATGC 360

QY 4408 aaaagaaaaatccacatctcgtcgaagcgtctctaccagctcaccagctcctctggac 4467
Db 361 AAAAGAAAAATCCACATCTGCTCAAGACGCTTCTTACCAGCTCACCAGCTCCTGGAC 420

QY 4468 tccgtgagcctattggagagagctgcatcagttcaacttttgaactgtaatacagtc 4527
Db 421 TCCGTGCAGCCTATTCGGAGAGAGCTGCATCAGTTTACCTTTTACCTTGTATCAAGTCA 480

QY 4528 cacatggtgagcgtggacttccgaaatgagtcagagatcatctctggaagtggccc 4587
Db 481 CACATGCTGAGCGTGGAATTTCCGAAATGATGGCAGAAATCATCTCTGTCNAAGTGGCC 540

QY 4588 aagatcctctctggg-aaagtcagccatctattt-ccacacccagtggaagcattggaa 4645
Db 541 AAGATCTCTTTTGGGAAAGTCAAGCCCTCTTTTCCACACCCAGTGAAACCTTGGAA 600

QY 4646 a--ccctatttccccaccagctcagtcagcccttccagatgctctctgcctg 4696
Db 601 AACCCCTTTTCCCCACCCCATTTTATGCCCCCTTTGAAAAAGCTTTTCTG 653

RESULT 2
AA524966/c 568 bp mRNA EST 05-AUG-1997
LOCUS nh35c11.s1 NCI_CGAP_Pr3 Homo sapiens cDNA clone IMAGE:954356
DEFINITION similar to gb:M23263 ANDROGEN RECEPTOR (HUMAN);, mRNA sequence.
ACCESSION AA524966
VERSION AA524966.1 GI:2265894
KEYWORDS EST
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 568)
NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: W. Marston Linehan, M.D., Rodrigo Chuaqui, M.D.
Michael Emmert-Buck, M.D., Ph.D.
cDNA Library Prepared by: David B. Krizman, Ph.D.
cDNA Library Arrayed by: Genome Systems Inc., Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 362 Std Error: 0.00
Seq primer: -40m13 fwd. ET from Amersham
High quality sequence stop: 383.

FEATURES

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/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:954356"
/clone_lib="NCI_CGAP_Pr3"
/sex="Male"
/dev_stage="45 years old"
/lab_host="DH10B"
/note="vector: pAMP10; Site_1: NotI; Site_2: EcoRI; 1st
strand cDNA was primed with oligo(dT)17 on 50 ng of
DNase-treated, total cellular RNA obtained from 5,000-10
000 microdissected cells histologically-determined to be
fully malignant prostate cancer cells. Double-stranded
cDNA was ligated to EcoRI adaptors, 5 cycles of PCR
applied to the cDNA with an adaptor-specific primer, and
the resulting PCR product subcloned into pAMP10 by the
UDG-cloning method (Life Technologies). Average insert
size is 600 bp. NOTE: Not directionally cloned. This
library was constructed by David Krizman."

BASE COUNT 186 a 99 c 153 g 130 t
ORIGIN

Query Match 9.9%; Score 501.4; DB 10; Length 568;
Best Local Similarity 98.5%; Pred. No. 2.9e-54;
Matches 527; Conservative 0; Mismatches 6; Indels 2; Gaps 2;

QY 4529 acatggtgagcgtgacttccgaaatgagtcagagatcatctctgcaagt-ccc 4587
Db 550 ACATGGTGAGCGTGACTTTCCGAAATGATGCCAGAGATCATCTCTGTGCAATGGCCCC 491

QY 4588 aagatcctcttctggaaagtcaagcccatctatttccacacccagtggaagcattggaaac 4647
Db 490 AAGATCTCTTCTGGAAAGTCAAGCCCATCTATTTCCACACCCAGTGAAAC-TCGAAAC 432

QY 4648 cctatttccccaccagcctcatgccccttcagatgctctctgctgttataactctg 4707
Db 431 CCAATTTCCCCACCCAGCTCATGCCCTTTTCAGATCTCTTCTGCCTGTATTAACCTCTG 372

QY 4708 cactactcctctgagtcgcttgggaatttccctctattatgatacagtcgtcagtaaac 4767
Db 371 CACTACTCCTCTGAGTGCCTTGGGAAATTTCCCTCTATTGATGATACAGCTGTGCATGAAC 312

QY 4768 atgttcttgaaattctatttgcgtgggcttttttctctctctctctctctctctctctct 4827
Db 311 ATGTTCCTGGAATTTCTATTGTCTGGGCTTTTTCCTTCCTTCCTCTCTCTTTCTTTCTTC 252

QY 4828 ttccctccctatctaaacctcccatggcaccttcagacttgccttcccatctggtgcctct 4887
Db 251 TTCCCTCCCTATCTAAACCTCCCATGGCACCTTCAGACTTTTGTCTTCCCATTTGTGGCTCT 192

QY 4888 atctgtgttttgatgctgtgtatgcctttaactgtatgatacagtcagtcagtcagtcagtcag 4947
Db 191 ATCTGTGTTTGAATGTTGTGTATGCTTTTAAATCTGTGATGATCTCATATGAGGCCAG 132

QY 4948 tgtcaagtgtgctgttttacagcactactctgtgcagccacacacacacacacacacacacacac 5007
Db 131 TGTCAAGTTGTGCTTGTATTACAGCACTACTCTGTGCGAGCCACACAAACGCTTTTACTATC 72

QY 5008 ttatgccacacgggaagttaagagagcctaagattatctctgggaatacaacacacacacacacac 5062
Db 71 TTATGCCACGGGAAGTTTAGAGAGCTAAGATTATCTAGGAAATCAAAACAAAAA 17

RESULT 3


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/clone_lib="NCI_CGAP_Pr3"
/sex="Male"
/dev_stage="45 years old"
/lab_host="DH10B"
/notes="Vector: pAMP10; Site_1: NotI; Site_2: EcoRI; 1st
strand cDNA was primed with oligo(dT)17 on 50 ng of
DNase-treated, total cellular RNA obtained from 5,000-10
,000 microdissected cells histologically-determined to be
fully malignant prostate cancer cells. Double-stranded
cDNA was ligated to EcoRI adaptors, 5 cycles of PCR
applied to the cDNA with an adaptor-specific primer, and
the resulting PCR product subcloned into pAMP10 by the
UDG-cloning method (Life Technologies). Average insert
size is 600 bp. NOTE: Not directionally cloned. This
library was constructed by David Krizman."
77 a 113 c 72 g 126 t

BASE COUNT
ORIGIN

Query Match 7.5%; Score 380.6; DB 10; Length 388;
Best Local Similarity 99.0%; Pred. No. 5.6e-39;
Matches 383; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 4442 tctaccagctcaccagctctggaactccgtgagcctattgagagagctgcatcagt 4501
Db 2 TCGACCAAGCTCACCAGCTCCTGGACTCCGCTCGGCTATTGGCAGAGAGCTGCATCAGT 61
Qy 4502 tcacttttgacctgcttaataaagtcacacatggtgagctggagctttccgagaatagtg 4561
Db 62 TCACCTTTGACCTGCTAATCAAGTCACACATGGAGCGTGGACTTTCCGGAATGATGG 121
Qy 4562 cagagatcatctgtgcaagtgcacagatccttttgggaaagtcacagcccatctatt 4621
Db 122 CAGAGATCATCTGTGCAAGTGCACCAAGATCCTTTCTGGGAAAGTCAAGCCCATCTATT 181
Qy 4622 tccacacccagtgaagcatggaaacctatttccccacccccagctcagcccccttcca 4681
Db 182 TCCACACCCAGTGAAGCATTTGGAACCCCTATTTCGCCACCCAGCTCATGCCCCCTTCA 241
Qy 4682 gatgtcttctgcctgttataactctgcaactcctctctgagtcgcttggggaattctct 4741
Db 242 GATGCTTCTGCTGTATTAACCTGCACACTACTCTCTGCAGTGCCTTGGGGAATTCCT 301
Qy 4742 ctattgagtaagctctgcatgaacatgctcctggaattctatttctgggcttttttt 4801
Db 302 CTATTGATGATACAGTCTGTCTATGAACATGTTCTGTAATTTCTATTGCTGGGCTTTT 361
Qy 4802 tctcttctctctcttcttcttctctct 4828
Db 362 TCATCTTCTCTCTCTCTCTCTCTCTCTCT 388

RESULT 5
AA229062/c 369 bp mRNA EST 21-AUG-1997
LOCUS nc49q07.r1 NCI_CGAP_Pr3 Homo sapiens cDNA clone IMAGE:1011516
DEFINITION similar to gb:M23263 ANDROGEN RECEPTOR (HUMAN);, mRNA sequence.
ACCESSION AA229062
VERSION AA229062.1 GI:1852046
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 369)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: W. Marston Linehan, M.D., Rodrigo Chuvaqui, M.D.
, Michael Emmert-Buck, M.D., Ph.D.
```

cDNA Library Preparation: David B. Krizman, Ph.D.
cDNA Library Arrayed by: Genome Systems Inc., Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Seq primer: -28ml3 rev1 ET from Amersham
High quality sequence stop: 341.

FEATURES

location/Qualifiers
1..369
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:1011516"
/clone_lib="NCI_CGAP_Pr3"
/sex="Male"
/dev_stage="45 years old"
/lab_host="DH10B"
/note="Vector: pAMP10; Site_1: NotI; Site_2: EcoRI; 1st
strand cDNA was primed with oligo(dT)17 on 50 ng of
DNase-treated, total cellular RNA obtained from 5,000-10
,000 microdissected cells histologically-determined to be
fully malignant prostate cancer cells. Double-stranded
cDNA was ligated to EcoRI adaptors, 5 cycles of PCR
applied to the cDNA with an adaptor-specific primer, and
the resulting PCR product subcloned into pAMP10 by the
UDG-cloning method (Life Technologies). Average insert
size is 600 bp. NOTE: Not directionally cloned. This
library was constructed by David Krizman."
142 a 67 c 93 g 67 t

BASE COUNT

ORIGIN

Query Match 7.3%; Score 369; DB 10; Length 369;
Best Local Similarity 100.0%; Pred. No. 1.6e-37;
Matches 369; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4680 cagatgtcttgcctgttataaactctgcactactcctctgcagtcgcttggggaatttc 4739
Db 369 CAGAGTGTCTTCTGCCTGTATTAACCTGCACACTACTCTCTGCAGTGCCTTGGGGAATTC 310
Qy 4740 ctctattgagtaagctgctgcatgaacatgttccctgaattctatttgcgtgggcttttt 4799
Db 309 CTCATTGATGATACAGTCTGTCATGAACATGTTCTCTGAATTTCTATTGCTGGGCTTTT 250
Qy 4800 ttctcttctctctcttcttcttctctctctctctctctctctctctctctctctctct 4859
Db 249 TTTCTCTTCT 190
Qy 4860 tcagacttgccttcccatgttggtccctctctctctctctctctctctctctctctctct 4919
Db 189 TCAGACTTTGCTTCCCATTTGGCTCTCTATCTGTGTTTGAATGGTGTGTATGCTCTTA 130
Qy 4920 aatctgtagatcctcatatgcccagtgctcaagtgctgtctgttcttctacagcactct 4979
Db 129 AATCTGTGATGATCCTCATATGGCCAGTGTCAAGTGTGTCTTGTTTTACAGCACTACTCT 70
Qy 4980 gtgcagccacacacacgctttacttctatgcccagcgaagttagagagcctaagatt 5039
Db 69 GTGCCACCCACACAAACGTTTACTTATCTTATGCCACGGGAAGTTTAGAGAGCTAAGATT 10
Qy 5040 atctgggga 5048
Db 9 ATCTGGGGA 1

RESULT 6
LOCUS T28396
DEFINITION EST41738 Human Uterus Homo sapiens cDNA 5' end similar to androgen
receptor (HT:1334), mRNA sequence.
ACCESSION T28396
VERSION T28396.1 GI:610494
KEYWORDS EST.

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SOURCE      human.
ORGANISM    Homo sapiens
REFERENCE   1 (bases 1 to 413)
AUTHORS     Adams,M.D., Kerlavage,A.R., Fleischmann,R.D., Fuldner,R.A., Bult
            ,C.J., Lee,N., Kirkness,E.F., Weinstock,K.G., Gocayne,J.D., White
            ,O., Sutton,G., Blake,J.A., Brandon,R.C., Chiu,M.-W., Clayton,R.A.,
            Cline,R.T., Cotton,M.D., Earle-Hughes,J., Fine,L.D., Fitzgerald
            ,L.M., FitzHugh,W.M., Fritchman,J.L., Geoghagen,N.S.M., Glodek,A.,
            Gnehm,C.L., Hanna,M.C., Hedblom,E., Hinkley,P.S., Kelley,J.M.,
            Klinek,K.M., Kelley,J.C., Liu,L.-I., Marmaros,S.M., Merrick,J.M.,
            Moreno-Palauques,R.F., McDonald,L.A., Nguyen,D.T., Pellegrino,S.M.,
            Phillips,C.A., Ryder,S.E., Scott,J.L., Saudek,D.M., Shirley,R.,
            Small,K.V., Spriggs,T.A., Otterback,T.R., Weidman,J.F., Li,F.,
            Bednarek,D.P., Cao,L., Cepeda,M.A., Coleman,T.A., Collins,E.-J.,
            Dimke,D., Feng,P., Ferlie,A., Fischer,C., Hastings,G.A., He,W.-W.,
            Hu,J.-S., Greene,J.M., Gruber,J., Hudson,P., Kim,A., Kozak,D.L.,
            Kunsch,C., Ji,H., Li,H., Li,H., Weissner,P.S., Olsen,H., Raymond,L., Wei
            ,Y.-F., Wing,J., Xu,C., Yu,G.-L., Ruben,S.M., Dillon,P.J., Fannon
            ,M.R., Rosen,C.A., Haseltine,W.A., Fields,C., Fraser,C.M. and
            Venter,J.C.
TITLE       Initial Assessment of Human Gene Diversity and Expression Patterns
            Based Upon 83 Million Basepairs of cDNA Sequence
JOURNAL     Nature 377, 3-174 (1995)
MEDLINE     96026280
COMMENT     Contact: Venter, JC
            The Institute for Genomic Research
            932 Clopper Rd, Gaithersburg, MD 20878
            Tel: 3018699056
            Fax: 3018699423
            Email: tdbinfo@db.tigr.org
            For clone availability, additional sequence and expression
            information related to this EST, please contact the TIGR Database
            (tdbinfo@db.tigr.org)
            Seq primer: M13 Reverse.

FEATURES             source
    source            1..413
                        /organism="Homo sapiens"
                        /db_xref="ATCC (inhost):102309"
                        /db_xref="taxon:9606"
                        /clone_lib="Human Uterus"
                        /note="Organ: uterus"
BASE COUNT          100 a 108 c 92 g 107 t 6 others
ORIGIN
Query Match          7.1%; Score 361; DB 11; Length 413;
Best Local Similarity 94.5%; Pred. No. 1.6e-36;
Matches 381; Conservative 0; Mismatches 21; Indels 1; Gaps 1;

Qy 4047 ctccgcacattacacgtggacgaccagatggctgtcattcagctactcctggtgggct 4106
Db 1 CTTCCGCAACTTACACGTGGACGACCAGATGGCTGTNATTCAGTACTCCTGGATGGGGT 60

Qy 4107 catggttttgccatggctggcgatccttcaccaatgtcaactccagatgctctactt 4166
Db 61 CATGGTGTTCGCAATGGCTGGCGATCCTTCACCAATGTNAACTCCAGGATGCTACTT 120

Qy 4167 cgccccgatctgttttcaatgagtaccgcatgcacaaagtcccgatgtacagccagt 4226
Db 121 CGCCCCNATCTGTTTCAATGAGTACCGCATGCACAACTCCCGGATGTACAGCCAGTG 180

Qy 4227 tgtccgaatgaggcacctctctcaagagtttggatggctcccaatcacccccagaatt 4286
Db 181 TGTCGGAATGAGGCACCTCTCTCAAGAGTTTGGATGGCTCCAAATCACCCCCAGGAAT 240

Qy 4287 cctgtgatgaagcaactgtactcttcacgattattccagtgatggctgaaaaatca 4346
Db 241 CCTGTGATGAAGCACTGTCTACTTTCAGCATATTTCAGTGGGATGGGCTGAAAAATCA 300

Qy 4347 aaaattcttgatgaacttcgaatgaactacatcaaggaactcgatcgatcatgttcgt 4406
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Db 301 AAAATCTTTTGATGNACTTCGGATGNACTACA-CAAGGGACTCGGTGTAATTCATGTGATG 359
Qy 4407 caaaagaaaaaatccccatctctgctcaagaacgtctctaccag 4449
            ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 360 CAAAAGGAAAAATCCCATCTCTGNTTCAGACGGTTTTACCAG 402

RESULT 7
AW619116 573 bp mRNA EST 24-MAR-2000
LOCUS     436 MARC PBE Sus scrofa cDNA 5', mRNA sequence.
DEFINITION
ACCESSION AW619116
VERSION    AW619116.1 GI:7325300
KEYWORDS   EST.
SOURCE     Pig.
ORGANISM   Sus scrofa
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.
REFERENCE   1 (bases 1 to 573)
AUTHORS     Smith,T.P.L., Fahrrenkrug,S.C., Rohrer,G.A., Simmen,P.A., Rexroad
            ,C.E. and Keele,J.W.
TITLE       Mapping of expressed sequence tags from a porcine early embryonic
            cDNA library
JOURNAL     Anim. Genet. 32 (2), 66-72 (2001)
MEDLINE     21314990
COMMENT     Contact: Smith TPL
            USDA, ARS, US Meat Animal Research Center
            PO Box 166, Clay Center, NE 68933-0166, USA
            Tel: 402 762 4366
            Fax: 402 762 4390
            Email: smith@email.marc.usda.gov
            Single pass sequencing, bases called and alt trimmed with phred
            v0.980904.e. Vector identified by cross_match with the -minscore 18
            and -minmatch 12 options.
            PCR Primers
            FORWARD: GGAACACAGCTATGACCATG
            BACKWARD: GTAAACGACGGCCAGT
            Seq primer: AATTAACCTCCTCACTAAAGGG.

FEATURES             source
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                        /clone_lib="MARC PBE"
                        /tissue_type="Day 12 whole embryos"
                        /lab_host="XL0LR"
                        /note="Vector: pBLUESCRIPT SK-; Site_1: EcoRI; Site_2:
                        XhoI; Library made from pool of embryos in spherical and
                        filamentous stages of development (7.5% and 92.5%,
                        respectively, of each stage) as described in Choi et al.,
                        Endocrinology 137, 1457-67, 1996."
BASE COUNT          125 a 199 c 162 g 87 t
ORIGIN
Query Match          7.1%; Score 358.4; DB 10; Length 573;
Best Local Similarity 77.7%; Pred. No. 3.1e-36;
Matches 471; Conservative 0; Mismatches 81; Indels 54; Gaps 1;

Qy 1863 gatggaatgcagtttaggttggaagggtctacctcgccgctccagacctaccg 1922
Db 10 GTTGGAAAGTGCAGTTAGGGCTGGGAGGGTCTACCCCTTTCGCCCTTCCAAGACCTTTTCG 69

Qy 1923 aggaagctttccagaatctgttccagagcgtgcgaaatgatccagaacggcgcccgag 1982
            ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 70 AGGTGCTTTCAGAAACCTGTTCCAAAGTGTAGCGGAAGTATCCAGAACCCAGGTCGCCG 129

Qy 1983 gcaccagagccgcgagcagcacctcccgccgcccagtttgctgctgcagcagca 2042
            ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 130 ACACCTTGAGGCCCGGAGCGGACGACCTCCCGGCCCGCTTTGACAGCAGCAGCTGCA 189

Qy 2043 gcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagca 2102
            ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 190 GCAGCAGGAGACCACTGCCCGGGCGCA----- 216

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EST.
human.
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 349)
NCI-CCGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: W. Marston Linehan, M.D., Rodrigo Chuaqui, M.D.,
Michael Emmert-Buck, M.D., Ph.D.
cDNA Library Preparation: David B. Krizman, Ph.D.
cDNA Library Arrayed by: Genome Systems Inc., Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone Distribution: NCI-CCGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Seq primer: -4lm13 fwd ET from Amersham
High quality sequence stop: 230.

Location/Qualifiers
1..349
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clones="IMAGE:1011443"
/clone_lib="NCL_CGAP_Pr3"
/sex="Male"
/dev_stage="45 years old"
/lab_host="DH10B"
/note="Vector: pAMP10; Site_1: NotI; Site_2: EcoRI; 1st
strand cDNA was primed with oligo(dT)17 on 50 ng of
DNase-treated, total cellular RNA obtained from 5,000-10
000 microdissected cells histologically-determined to be
fully malignant prostate cancer cells. Double-stranded
cDNA was ligated to EcoRI adaptors, 5 cycles of PCR
applied to the cDNA with an adaptor-specific primer, and
the resulting PCR product subcloned into pAMP10 by the
UDG-cloning method (Life Technologies). Average insert
size is 600 bp. NOTE: Not directionally cloned. This
library was constructed by David Krizman."

BASE COUNT 64 a 105 c 57 g 123 t
ORIGIN

Query Match 6.8%; Score 347.4; DB 10; Length 349;
Best Local Similarity 99.7%; Pred. No. 8.e-35;
Matches 348; Conservative 0; Mismatches 1; Indels 0; Gaps 0

Qy 4540 gtggaacttccggaaatgatggcagagatcatctctgtgcaagtgcccaagatcctttct 4599
Db 1 GTGGACTTTCCGAAATGATGTTAGAGATCATCTGTGTGAAGTGCCCAAGACCTTTCT 60

Qy 4600 ggaagaatcaagccatctatttccacaccagtggaagcattggaacccctatttcccca 4659
Db 61 GGGAAAGTCAAGCCCAATCTATTTCACACCCAGTCGAAGCATTTGAACCCCTATTTCCTCCA 120

Qy 4660 cccagctcatgcccccttcagatgtctctgcctgtataaactgcactactcctct 4719
Db 121 CCCAGCTCATGCCCTTTTCAGATGTCTTCTGCCTGTTATATAACTCTGCACTACTCCTCT 180

Qy 4720 gcagtgccctggggaatttccctctattgatgtacagctctgcacgaacatgttctcgaat 4779
Db 181 GCAGTGCCTTGGGGAATTTCCCTCTATTGATGTACAGTCTGTCAATGAACATGTTCCCTGAAT 240

Qy 4780 tctatttgctgggctttttttctctctctctctctctctctctctctctctctctctct 4839
Db 241 TCATATTGCTGGGCTTTTTTTTCCTCTTCCTCTCTCTCTCTCTCTCTCTCTCTCTCT 300

Qy 4840 ctaacccctcccatgycaccttcagacatttgcttccccattggtggctcta 4889
Db 301 CTAACCCCTCCATGGCACCTTCAGACTTTGCTTCCCATTTGGCTGCTCTA 349

RESULT 10	AA659567	379 bp	mrna	EST	05-NOV-1997							
LOCUS	nt63403.s1	NCI_CGAP_Pr3	Homo sapiens	cdna	IMAGE:1203148							
DEFINITION	similar to gb:M23263 ANDROGEN RECEPTOR (HUMAN);, mRNA sequence.											
ACCESSION	AA659567											
VERSION	AA659567.1	GI:2595721										
KEYWORDS	EST.											
SOURCE	human.											
ORGANISM	Homo sapiens											
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.											
AUTHORS	1 (bases 1 to 379)											
TITLE	NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap .											
JOURNAL	National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index											
COMMENT	Unpublished (1997) Contact: Robert Strausberg, Ph.D. Email: qapbs-r@mail.nih.gov Tissue Procurement: W. Marston Linehan, M.D., Rodrigo Chuaqui, M.D., Michael Emmert-Buck, M.D., Ph.D. cdna Library Preparation: David B. Krizman, Ph.D. cdna Library Arrayed by: Genome Systems Inc., Greg Lennon, Ph.D. DNA sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: www-bio.llnl.gov/bbrp/image/image.html Seq primer: -40ml3 fwd. ET from Amersham High quality sequence stop: 360. Location/Qualifiers 1. 379 /organism="Homo sapiens" /db_xref="taxon:9606" /clone="IMAGE:1203148" /clone_lib="NCI_CGAP_Pr3" /sex="Male" /dev_stage="45 years old" /lab_host="DH10B" /note="Vector: PAMP10; Site_1: NotI; Site_2: EcoRI; 1st strand cdna was primed with oligo(dT)17 on 50 ng of DNase-treated, total cellular RNA obtained from 5,000-10,000 microdissected cells histologically determined to be fully malignant prostate cancer cells. Double-stranded cdna was ligated to EcoRI adaptors, 5 cycles of PCR applied to the cdna with an adaptor-specific primer, and the resulting PCR product subcloned into pAMP10 by the UDG-cloning method (Life Technologies). Average insert size is 600 bp. NOTE: Not directionally cloned. This library was constructed by David Krizman."											
FEATURES	Source											
BASE COUNT	130 a	67 c	95 g	87 t								
ORIGIN												
Query Match	6.8%; Score 346; DB 10; Length 379;											
Best Local Similarity	98.1%; Pred. No. 1.3e-34;											
Matches 371:	Conservative	0;	Mismatches	5;	Indels 2; Gaps 2;							
Qy 4705	ctgcactactctctgcagtcgcttggggaatttctctattgatgtacagtcgtcatg 4764											
Db 376	CTGCACCTACTCTCTGCAGTCGCTTGGGGAATTCCTCTATTGGTGTCAGCTGTCATG 317											
Qy 4765	aacatgttccatgaattctatttgcctgggcttttttttctctttctctcttttttc 4824											
Db 316	AACATGTTCCATGAATCTATTTCGTGGGC -TTTTTAATCTCTCTCTCTCTCTTTTC 258											
Qy 4825	ttcttccctccctatctaacccctccatggcaccttcagactttgtctcccatgtggct 4884											
Db 257	CTCTTCCCTCCCTAICTAAACCCTCCCATGGCACCTTCAGACTTTCCTCCCATGGCT 198											
Qy 4885	cctatctgtgttttgaatgggtgtgtgatgcctttaaattgtgatgactcctcatatggcc 4944											

Db 247 TTCCTCCCTCCCTATCTAACCCCTCCCATGCCACCTTCAGACCTTTGCTTCCCATTTGGCT 188
QY 4885 cctatctgtgttttgaatggtgtgtgtatgcccttttaaatctctgtgatgatcctcatatggcc 494
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QY 5005 atcttatgccacgggaagtttagagagcctaagattatctt9999aaatcaaaacaaaaa 5062
Db 67 ATCTTATGCCACGGGAAGTTTAGAGAGCTAAGATTATCTGGGGAAATCAAAACAAAAA 10

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